Page 1 of 17

Title: POWER GENERATION SYSTEM

Inventor: Josuke NAKATA Customer No.: 000028107

10/554037

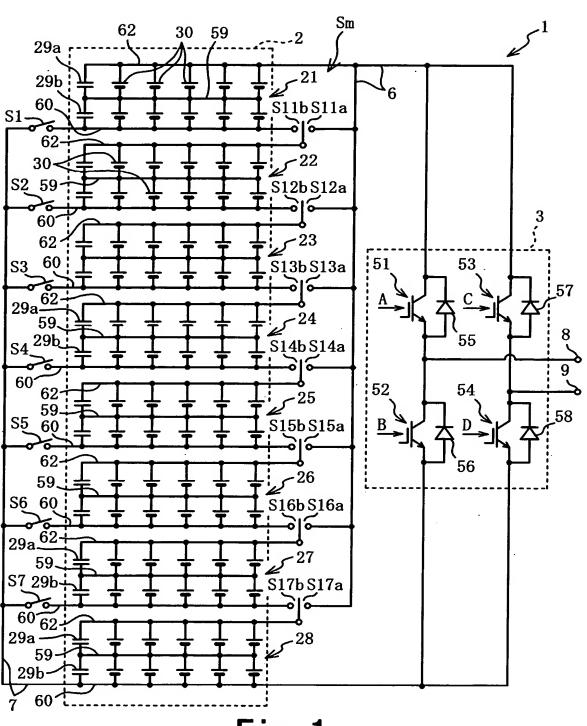


Fig. 1

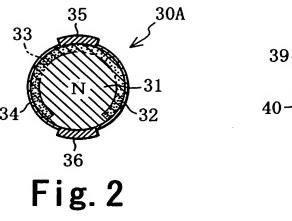
Docket No. F-8866 . Filed:

**New Application** 

Page 2 of 17
Title: POWER GENERATION SYSTEM
10/554037

Inventor: Josuke NAKATA Customer No.: 000028107

2/17



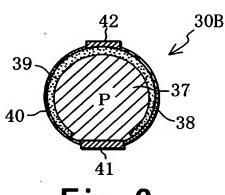
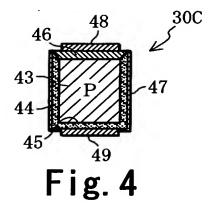
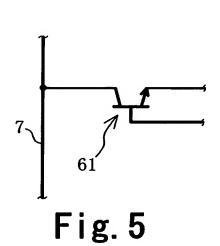
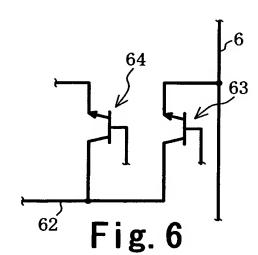


Fig. 3







Page 3 of 17
Title: POWER GENERATION SYSTEM

Inventor: Josuke NAKATA Customer No.: 000028107

3/17

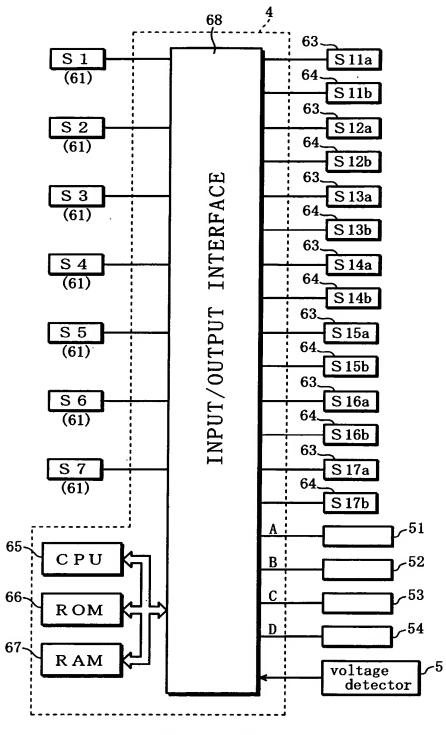


Fig. 7

Page 4 of 17

Title: POWER GENERATION SYSTEM

Inventor: Josuke NAKATA Customer No.: 000028107

4/17

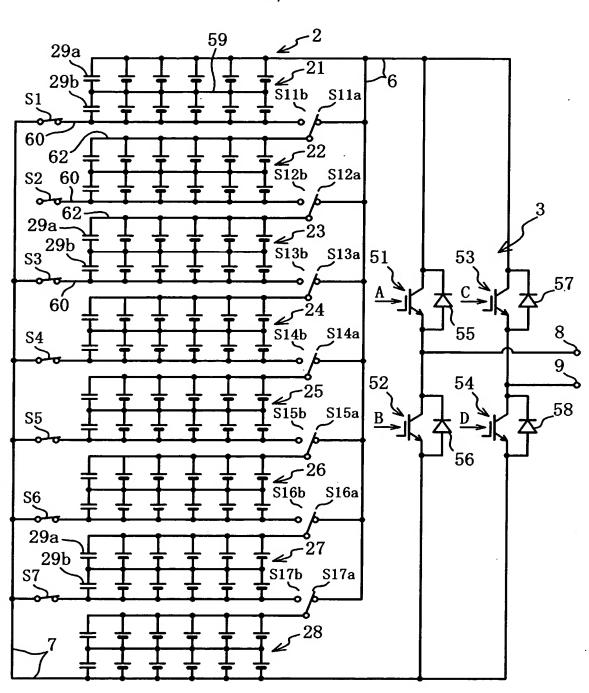


Fig. 8

Page 5 of 17
Title: POWER GENERATION SYSTEM

Inventor: Josuke NAKATA Customer No.: 000028107

5/17

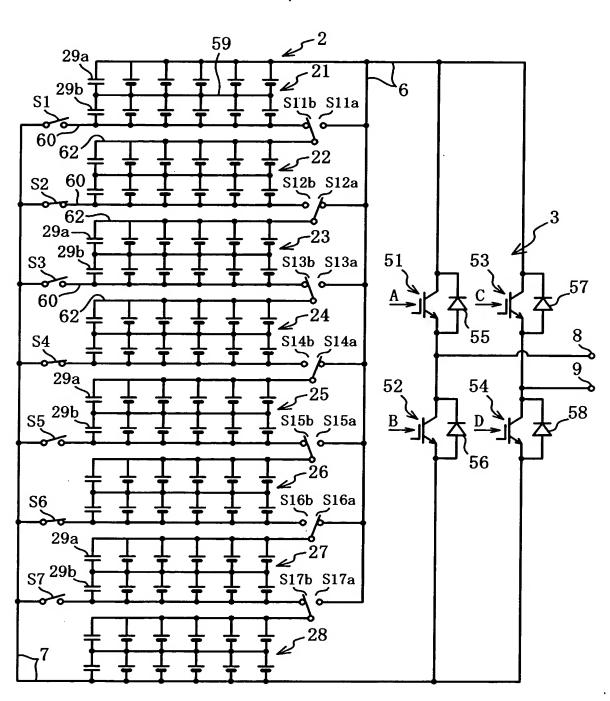


Fig. 9

Page 6 of 17

Title: POWER GENERATION SYSTEM

Inventor: Josuke NAKATA Customer No.: 000028107



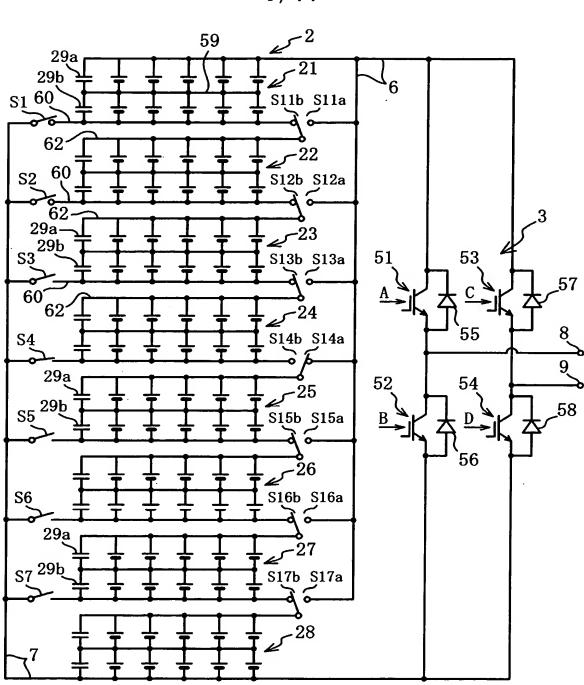


Fig. 10

Title: POWER GENERATION SYSTEM

10/554037

Inventor: Josuke NAKATA

Customer No.: 000028107

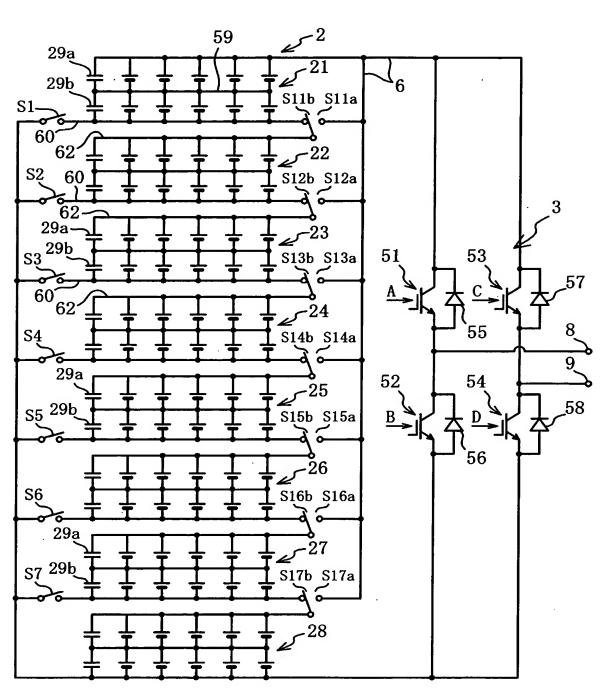


Fig. 11

Page 8 of 17

Title: POWER GENERATION SYSTEM

Inventor: Josuke NAKATA Customer No.: 000028107

### 10/554037

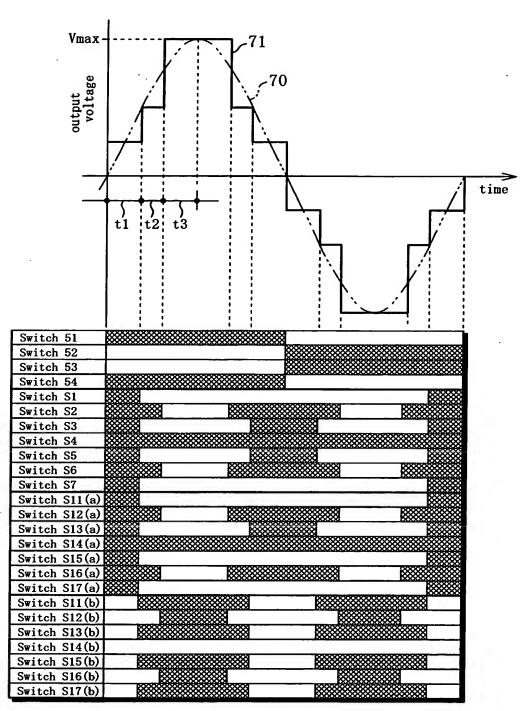


Fig. 12

Inventor: Josuke NAKATA Customer No.: 000028107

10/554037

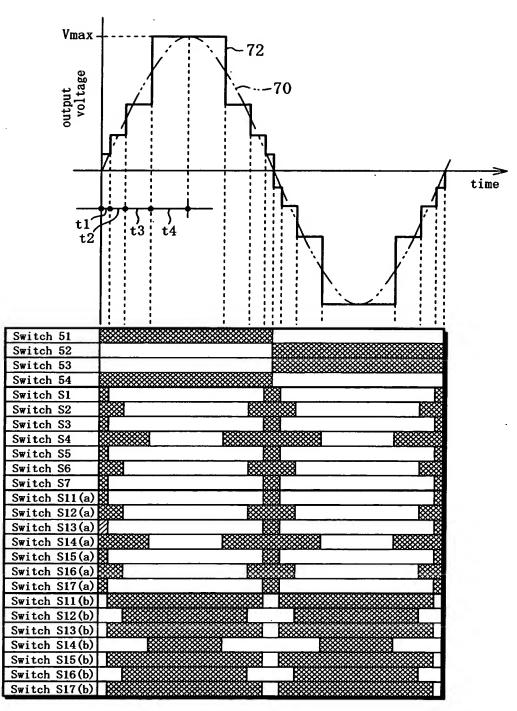


Fig. 13

Docket No. F-8866 a Filed:

**New Application** 

Page 10 of 17
Title: POWER GENERATION SYSTEM

Inventor: Josuke NAKATA Customer No.: 000028107

## 10/554037

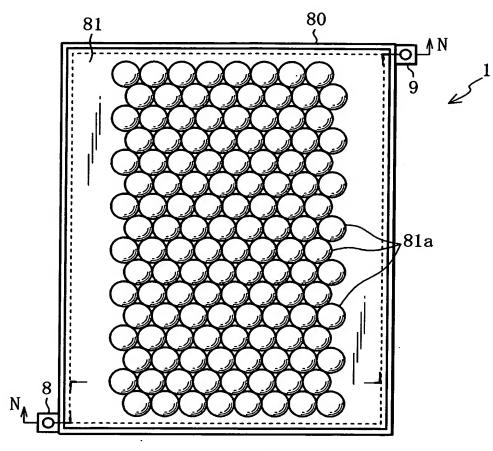


Fig. 14

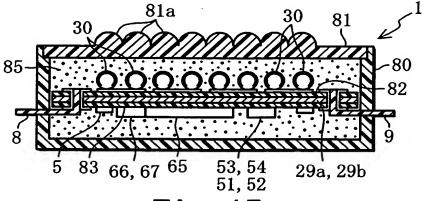


Fig. 15

Page 11 of 17

S7 S17b Title: POWER GENERATION SYSTEM

Inventor: Josuke NAKATA Customer No.: 000028107

# 10/554037

S17a

11/17 82 30 62 60 0 -21 S1 -S11a S11b 62 000 S2 - 22 S12a S12b S3 6 23 S13b S13a 60 24 **S4** S14a S14b 25 **S5** S15a 60 26 S15b S16a **S6** 27 S16b

Fig. 16

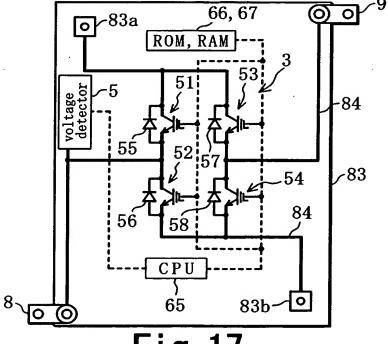


Fig. 17

Page 12 of 17

Title: POWER GENERATION SYSTEM

Inventor: Josuke NAKATA Customer No.: 000028107

12/17

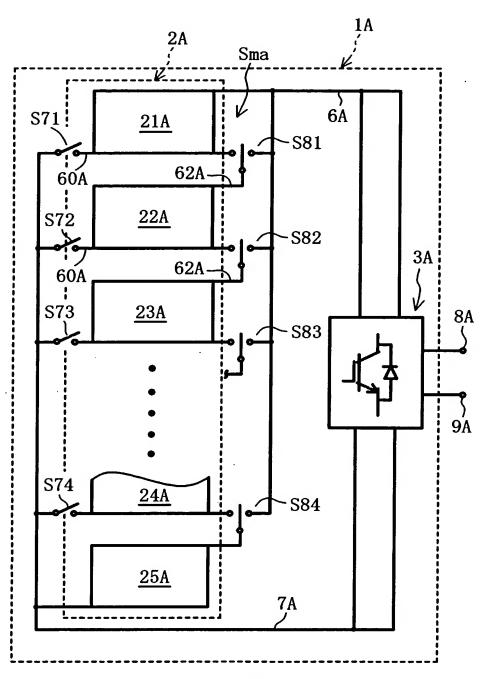


Fig. 18

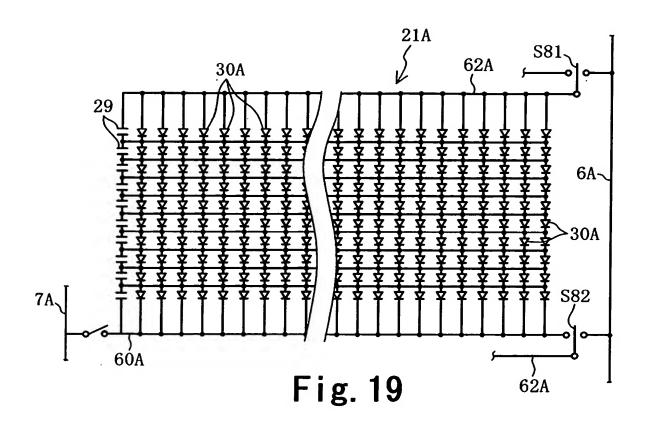
Docket No. F-8866.

New Application

Page 13 of 17
Title: POWER GENERATION SYSTEM

Inventor: Josuke NAKATA Customer No.: 000028107

10/554037



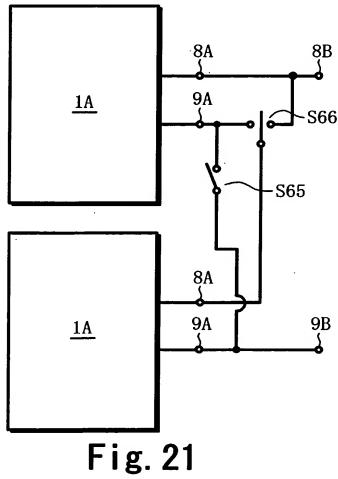
Page 14 of 17 Title: POWER GENERATION SYSTEM Inventor: Josuke NAKATA Customer No.: 000028107

**\$0/55**4037

14/17

generating mode	number of modules connected in series	number of group of module	output voltage
M 1	. 1	48	5~6 V
M 2	2	24	10~12V
M 4	4	12	20~24V
M 8	8	6	40~48V
M16	16	3	80~96V
M24	24	2	120~144V
M48	48	1	240~288V

Fig. 20



Docket No. F-8866. Filed:

**New Application** 

Page 15 of 17
Title: POWER GENERATION SYSTEM

Inventor: Josuke NAKATA Customer No.: 000028107

15/17

first power generating panel output voltage	second power generating panel output voltage	total output voltage
5 ~ 6 V	5 ~ 6 V	10~12V
10~12V	5 ~ 6 V	15~18V
20~24V	10~12V	30~36V
40~48V	20~24V	60~92V
80∼96V	40~48V	120~144V
120~144V	80~96V	200~240V
240~288V	120~144V	360~432V
240~288V	240~288V	480~576V

Fig. 22

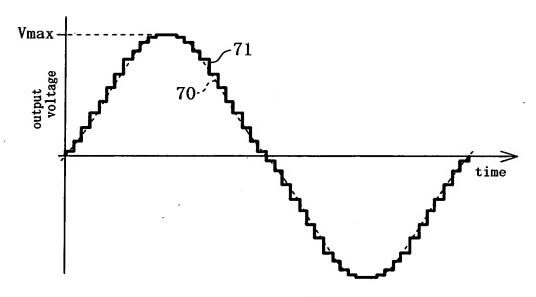


Fig. 23

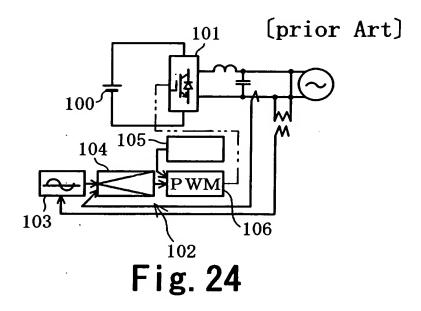
Docket No. F-8866. Filed:

New Application

Page 16 of 17
Title: POWER GENERATION SYSTEM

Inventor: Josuke NAKATA Customer No.: 000028107

10/554037



107 108 (prior Art)

Fig. 25

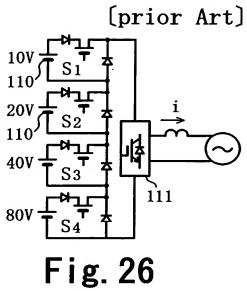
Docket No. F-8866

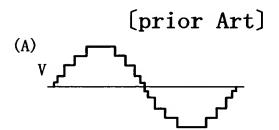
**New Application** 

Page 17 of 17
Title: POWER GENERATION SYSTEM

Inventor: Josuke NAKATA Customer No.: 000028107

10/554037





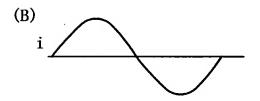


Fig. 27